AUTHOR INDEX

Bohl, E., *see* Kreikenbohm, R. and Bohl, E.
Caswell, H. (Woods Hole, MA, U.S.A.)
Theory and models in ecology: a different perspective 33
DeAngelis, D.L. (Oak Ridge, TN, U.S.A.)
Strategies and difficulties of applying models to aquatic populations and food webs 57
Fahrig, L. (Charlotteville, VA, U.S.A.)
Nature of ecological theories (comments) 129
Grant, W.E. (College Station, TX, U.S.A.)
Book review of *Ecology of Biological Invasions of North America and Hawaii*, by H.A. Mooney and J.A. Drake (Editors) 315
see also Rykiel, E.J., Jr. and Grant, W.E.
Grant, W.E., Matis, J.H. and Miller, W. (College Station, TX, U.S.A)
Forecasting commercial harvest of marine shrimp using a Markov chain model 183
Graser, D.J., *see* Kot, M. et al.
Hall, C.A.S. (Syracuse, NY and Polson, MT, U.S.A.)
An assessment of several of the historically most influential theoretical models used in ecology and of the data provided in their support 5
What consitutes a good model and by whose criteria? (summary of discussion) 125
Herendeen, R.A. (Champaign, IL, U.S.A.)
Role of models in ecology (comments) 133
Kot, M. (Knoxville, TN, U.S.A.), Schaffer, W.M., Truty, G.L., Graser, D.J. (Tucson, AZ, U.S.A.) and Olsen, L.F. (Odense, Denmark)
Changing criteria for imposing order 75
Kreikenbohm, R. and Bohl, E. (Konstanz, Federal Republic of Germany)
Bistability in the chemostat 287
Legović, T., *see* Oliver, J.D. and Legović, T.
Longstaff, B.C. (Canberra, A.C.T., Australia)
Temperature manipulation and the management of insecticide resistance in stored grain pests: a simulation study for the rice weevil, *Sitophilus oryzae* 303
Matis, J.H., *see* Grant, W.E. et al.
Miller, W., see Grant, W.E. et al.
Murtaugh, P.A. (Seattle, WA, U.S.A.)
Use of logistic regression in modelling prey selection by *Neomysis mercedis* 225
Oliver, J.D. and Legović, T. (Athens, GA, U.S.A.)
Okefenokee marshland before, during and after nutrient enrichment by a bird rookery 195
Olsen, L.F., *see* Kot, M. et al.
Onstad, D.W. (Champaign, IL, U.S.A.)
Population-dynamics theory: the roles of analytical, simulation, and supercomputer models 111
Riley, M.J. and Stefan, H.G. (Minneapolis, MN, U.S.A.)
MINLAKE: a dynamic lake water quality simulation model 155

Rykiel, E.J., Jr. and Grant, W.E. (College Station, TX, U.S.A.)
Foreword special issue ISEM North American Chapter 3
Schaffer, W.M., *see* Kot, M. et al.
Seno, H. (Kyoto, Japan)
Effect of a singular patch on population persistence in a multi-patch system 271
Stefan, H.G., *see* Riley, M.J. and Stefan, H.G.
Sullivan, P.J. (Seattle, WA, U.S.A.)
Effect of boundary conditions, region length, and diffusion rates on a spatially heterogeneous predator–prey system 235
Truty, G.L., *see* Kot, M. et al.
Ulanowicz, R.E. (Solomons, MD, U.S.A.)
On the importance of higher-level models in ecology 45
Varis, O. (Espoo, Finland)
Temporal sensitivity of *Aphanizomenon flos-aquae* dominance – a whole-lake simulation study with input perturbations 137
Vlad, M.O. (Bucharest, Romania)
A new nonlinear model for the growth of age-structured populations living in patchy habitats 251
Wellings, P.W. (Canberra, A.C.T., Australia)
Book review of *Pest Control: Operations and Systems Analysis in Fruit Fly Management,* by M. Mangel, J.R. Carey and R.E. Plant (Editors) 317